

LAW OFFICES  
SHOOK, HARDY & BACON

TWENTIETH FLOOR MERCANTILE BANK TOWER

1101 WALNUT

KANSAS CITY, MISSOURI 64108

(816) 474-6550

WU TELEX 42-0291 (SHE KSC)

TELECOPIER (816) 471-5547

OVERLAND PARK, KANSAS OFFICE

40 CORPORATE WOODS, SUITE 650

9401 INDIAN CREEK PARKWAY

P. O. BOX 28126

OVERLAND PARK, KANSAS 66225

(813) 451-0000

CHARLES L. BACON  
DAVID M. CLARK  
LARRY S. BAUER  
FRANK P. BERRY, II  
FREDERICK SCHUL  
WILLIAM W. SPIES  
JOHN E. BERRY  
DONALD R. MOEL  
JOHN T. RALPH  
DAVID W. SHINE  
WILLIAM E. RAUGH, JR.  
LEE E. STANFORD  
DAVID E. HARRY  
WILLIAM S. ZIMMERMAN  
ROBERT E. HORTON  
PATRICK WILLIAMS  
HARVEY L. KAPLAN  
JOHN C. BORICA  
CHARLES R. HALL  
SAM L. COVATTE  
GENE E. VOISYS  
JAMES T. HEDGECOCK  
LEO P. BREYER  
CLYDE L. THOMAS  
STEPHEN S. ALDER

PATRICK H. SHIRROCK  
DAVID S. MORRIS  
LARRY S. BERRY  
LAUREL R. CORN  
ALLEN S. PUGH  
STEVEN E. PARRISH  
RICHARD S. WOODS  
BERNARD V. STELL, JR.  
BART P. LONG  
TIMOTHY A. PRATT  
BART L. WHITTIER  
JENNIFER J. HENSON  
WILLIAM W. WILSON  
J. EUGENE GALLAGHER  
RON ROBINSON  
DENNIS R. BOW  
RICHARD E. WILSON  
MICHAEL S. RAY  
PETER E. STRAND  
JOHN F. HURST  
LAURA S. STITT  
ANDREW GEE  
J. SCOTT MCANDRUE  
ROBERT B. BRIDGEMAN

J. RICHARD BOLUS  
ARNE H. SHUTTLE  
NANCY E. WOODBURY  
NEIL E. SPRAGUE  
WALTER L. COPPER  
RICHARD H. WRIGHT, JR.  
ANDREA E. FARMLEY  
STEPHEN E. SCHWE  
JAMES H. LASH  
JOHN E. JOHNSTON  
JEFFREY S. NELSON  
KEVIN E. BRECKEN  
W. WOODY SCHUBERT

CAROL F. FOWLER  
CLYDE W. CURTIS  
ANTHONY J. ZACHARKE  
LEAH E. BARNES  
JO ANNE T. WASHBURN  
BARBARA R. STELL  
THOMAS R. BUCKMAN  
DAVID W. PETERSON  
DEBORAH J. TANNER  
EUGENIA A. ALLEN  
EUGENE E. PICK  
DONALD E. HOWELL, JR.

JAMES H. OTTMAN  
JUDITH L. HANCOCK  
DAVID J. WALSH  
STANLEY P. WEINER  
OF COUNSEL

FRANK P. BERRY  
1924-1940

SAM S. BERRY  
1924-1955

EDGAR SHOOK  
1924-1970

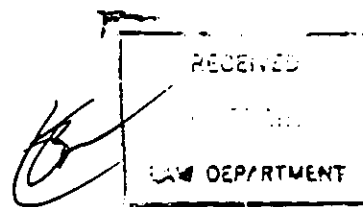
DAVID S. HARDY  
1917-1976

KANSAS OFFICE

July 25, 1985

Messrs. Arnold Henson  
Alexander Holtzman  
Josiah S. Murray III  
Ernest Pepples  
Arthur J. Stevens  
S. B. Witt III

Gentlemen:



The enclosed research proposal from Dr. William Gutstein of New York Medical College requests support in the amount of \$319,535.00 for two years. We recommend that the proposal be approved and funded as a CTR Special Project.

Dr. Gutstein is a Professor of Pathology and Psychiatry at New York Medical College in Valhalla, New York, who first received a CTR Special Project grant in 1983. This two-year project has focused on brain stimulation and its relationship to coronary spasm and ultimately to atherogenesis in larger coronary vessels. Dr. Gutstein believes that the research produced useful data that lead to a better understanding of how psychosocial stimuli (i.e., stress) may be involved in the causation of heart disease. Dr. Gutstein hypothesizes that responses to emotionally-charged psychosocial stimuli can in time lead to certain forms of coronary heart disease in humans. The current research proposal will further address the possible mechanism by which this disease process may develop. In particular, the proposed research will focus on the myocardial effects resulting from coronary spasm of small vessels in the coronary circulation and their possible significance in the production of atherogenesis.

Dr. Gutstein and his colleague, Dr. Piero Anversa, have been quite productive during their two-year grant period and have published approximately seven articles noting support from

LG 2001071

SHOOK, HARDY & BACON

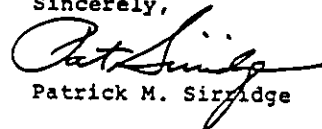
July 25, 1985  
Page Two

CTR. Copies of some of these articles are attached for your information. It is our view that Dr. Gutstein and his colleagues have developed interesting theories regarding heart disease causation and myocardial damage and the enclosed proposal represents a further attempt to examine the theories.

Dr. Sommers has reviewed the proposal and believes it is worthy of further support. We also recommend that Dr. Gutstein's proposal be approved for two years as a CTR Special Project.

If possible, I would like to have your response by August 23, 1985.

Sincerely,

  
Patrick M. Sirridge

PMS:sh  
Enc.

cc & enc: Ms. Janet C. Brown  
Mr. Francis K. Decker, Jr.

*(816) 474-6550*  
*For → Sharon Hunt (Son to Sirridge)*  
*see copy: have 8.5.85*  
*Wiggett use Not participate*  
*(OS)*

LG 2001072